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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*				***Complete if Known***	
				Application No.	Unassigned
				Filing Date	Herewith
				First Named Inventor	Heller, Jonathan
				Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	**1**	**Of**	**4**	**Attorney Docket No.**	29191.706.201

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.[1]	Document No. Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RA		US-6,068,749	5/30/00	Karger et al.	
		US-5,872,010	2/16/99	Karger et al.	
		US-5,917,184	6/29/99	Carson et al.	
		US-5,958,202	9/28/99	Regnier et al.	
		US-6,375,817	4/23/02	Taylor et al.	
		US-6,175,112	1/16/01	Karger et al.	
		US-6,342,142	1/29/02	Ramsey et al.	
		US-6,231,737	5/15/01	Ramsey et al.	
		US-6,033,546	3/7/00	Ramsey	
		US-6,358,692	3/19/02	Jindal et al.	
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		US-6,139,734	10/31/00	Settlage, et al.	
		US-5,245,186	9/14/93	Chait et al.	
		US-5,045,694	9/3/91	Beavis et al.	
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		US-6,368,562	4/9/02	Yao	
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		US-6,187,190	2/13/01	Smith et al.	
		US-6,107,628	8/22/00	Smith et al.	
		US-5,545,304	8/13/96	Smith et al.	
		US-5,833,861	11/10/98	Afeyan et al.	
		US-5,952,653	9/14/99	Covey et al.	
EXAMINER SIGNATURE		/Ritesh Agrawal/		DATE CONSIDERED	01/23/2007

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RA		US-5,393,975	2/28/95	Hail et al.	
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		US-6,086,243	7/11/00	Paul et al.	
		US-6,091,502	7/18/00	Weigl et al.	
		US-6,159,739	12/12/00	Weigl et al.	
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		US-5,624,539	4/29/97	Ewing et al.	
		US-5,358,618	10/25/94	Ewing et al.	
		US-6,284,113	9/4/01	Bjornson et al.	
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		US-2002/0041827	4/11/02	Yager et al.	
		US-2001/0014461	8/16/01	Hutchens et al.	
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Sheet	3	**Of**	4	**Attorney Docket No.**	29191.706.201

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.1	Foreign Patent Document: Country Code[3] – Number[4] – Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
RA		WO 00/65472	11/2/00	Ringold et al.		
RA		WO 02/06829	1/24/02	Hitt et al.		
EXAMINER SIGNATURE				DATE CONSIDERED		

OTHER PRIOR ART – NON PATENT RELATED DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	T[2]		
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EXAMINER SIGNATURE		/Ritesh Agrawal/	DATE CONSIDERED: 01/23/2007		

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				Filing Date	Herewith
				First Named Inventor	Heller, Jonathan
				Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	**4**	**Of**	**4**	**Attorney Docket No.**	29191.706.201

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	6

Complete if Known	
Application Number	10/760,100
Filing Date	January 16, 2004
First Named Inventor	Jonathan C. HELLER et al.
Art Unit	1641
Examiner Name	Unassigned
Attorney Docket Number	29191-707.501

U.S. PATENT DOCUMENTS

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RA		US-5,227,471	07-13-1993	Wright, Jr.	
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		US-2004/0043436-A1	03-04-2004	Vlahou et al.	

Examiner Signature	/Ritesh Agrawal/	Date Considered	01/23/2007

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				Application Number	10/760,100
				Filing Date	January 16, 2004
				First Named Inventor	Jonathan C. HELLER et al.
				Art Unit	1641
				Examiner Name	Unassigned
Sheet	2	of	6	Attorney Docket Number	29191-707.501

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RA		WO-95/25281-A1	09-21-1995	Univ. of Washington		
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		WO-03/91695-A2	11-06-2003	Johns Hopkins Univ.		
		WO-03/97799-A2	11-27-2003	Eastern Virginia Medical School		

Examiner signature	/Ritesh Agrawal/	Date Considered	01/23/2007

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	First Named Inventor	Jonathan C. HELLER et al.
	Art Unit	1641
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Sheet 3 of 6	Attorney Docket Number	29191-707.501

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
RA		ADKINS, Joshua N., et al., "Toward a human blood serum proteome: analysis by multidimensional separation coupled with mass spectrometry". The American Society for Biochemistry and Molecular Biology, Inc., MCP Paper (November 15, 2002)	
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Substitute for form 1449/PTO	*Complete if Known*	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*	Application Number	10/760,100
	Filing Date	January 16, 2004
	First Named Inventor	Jonathan C. HELLER et al.
	Art Unit	1641
	Examiner Name	Unassigned
Sheet 4 of 6	Attorney Docket Number	29191-707.501

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
RA		GYGI, Steven P., "Correlation between protein and mRNA abundance in yeast". Molecular and Cellular Biology (March 1999) 1720-1730.	
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Examiner signature	/Ritesh Agrawal/	Date Considered	01/23/2007

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RA		NEVILLE, Padraic, et al., "Generalizable mass spectrometry mining used to identify disease state biomarkers from blood serum". Proteomics (2003) 3:1710-1715.	
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		VLAHOU, Antonia, et al., "Development of a novel proteomic approach for the detection of transitional cell carcinoma of the bladder in urine". American Journal of Pathology (April 2001), 158(4):1491-1502.	

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RA		VOHRADSKY, J., "Adaptive classification of two-dimensional gel electrophoretic spot patterns by neural networks and cluster analysis". Electrophoresis (1997), 18:2749-2754.	
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		ZHU, Hongtu, et al. "Tree-based disease classification using protein data". Proteomics (2003) 3:1673-1677.	

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First Named Inventor	Jonathan C. HELLER
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Attorney Docket Number	29191.707.501

U.S. PATENT DOCUMENTS

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RA		US-2002/0048777	04/25/2002	Ali et al.	
		US-2002/0127237	09/12/2002	Salceda et al.	
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		US-2003/0039983	02/27/2003	Sun et al.	
		US-2003/0064377	04/03/2003	Sun et al.	
		US-2003/0078739	04/24/2003	Norton et al.	
		US-2003/0111596	06/19/2003	Becker et al.	
		US-2003/0129760	07/10/2003	Aguilera et al.	
		US-2003/0175707	09/18/2003	Sun et al.	
		US-2003/0194739	10/16/2003	Ali et al.	
		US-2003/0199001	10/23/2003	Pitt et al.	
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		US-6,627,606	09/30/2003	Jackowski et al.	
		US-6,627,607	09/30/2003	Jackowski et al.	
		US-6,627,608	09/30/2003	Jackowski et al.	
		US-6,677,303	01/13/2004	Jackowski et al.	
		US-6,703,366	03/09/2004	Jackowski et al.	
		US-6,756,476	06/29/2004	Jackowski et al.	

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FOREIGN PATENT DOCUMENTS

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RA		EP 0881494	12/02/1998	Boehringer Mannheim GmbH		X
		WO 00/23111	04/27/2000	Diadexus LLC		
		WO 03/058198	07/17/2003	Ciphergen Biosystems, Inc.		
		WO 03/086445	10/23/2003	Ciphergen Biosystems, Inc.		
		WO 03/089937	10/30/2003	Thermo Finnigan, LLC		
		WO 2004/012588	02/12/2004	The Johns Hopkins University; Ciphergen Biosystems, Inc.		
		WO 2004/013609	02/12/2004	The Johns Hopkins University; Ciphergen Biosystems, Inc.		

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RA		AURIOLA, Seppo et al., "Enhancement of sample loadings for the analysis of oligosaccharides isolated from *Pseudomonas aeruginosa* using transient isotachophoresis – electrospray – mass spectrometry". *Electrophoresis* (1998), 19:2665-2676.	
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↓		WITTKE, Stefan et al., "Determination of peptides and proteins in human urine with capillary electrophoresis-mass spectrometry, a suitable tool for the establishment of new diagnostic markers". *Journal of Chromatography A* (2003), 1013:173-181.	

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RA		WO 2004/055519 A2	07/01/2004	Hoffmann-La Roche AG		
RA		WO 2004/061407 A2	07/22/2004	Caprion Pharmaceuticals, Inc.		
RA		WO 2004/061410 A2	07/22/2004	Ciphergen Biosystems, Inc.		

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Art Unit	1631
Examiner Name	Eric S. Dejong
Attorney Docket Number	29191-707.501

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RA		US-2003/0153007	08-14-2003	Chen, et al.	
RA		US-2005/0059013	03-17-2005	The Johns Hopkins University, et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] – Number[4] – Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
RA		WO 2003/057014	07-17-2003	John Hopkins University		
RA		WO 2004/030511	04-15-2004	Eastern Virginia Medical School, et al.		
RA		EP 1512970	03-09-2005	Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek TNO		

Examiner Signature	/Ritesh Agrawal/	Date Considered	01/23/2007

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Substitute for form 1449/PTO **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** *(Use as many sheets as necessary)*				***Complete if Known***	
				Application Number	10/760,100
				Filing Date	January 16, 2004
				First Named Inventor	Jonathan Heller
				Art Unit	1631
				Examiner Name	Eric S. Dejong
Sheet	2	of	2	Attorney Docket Number	29191-707.501

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
RA		CHAMBERS, et al., "Proteomics: A New Approach to the Study of Disease". Journal of Pathology 2000; 192:280-288	
RA		TATAY, Jacob W., "Multiple approaches to data-mining of proteomic data based on statistical and pattern classification methods". Proteomics (2003) 3:1704-1709.	
RA		WANG, Michael Z., et al., "Analysis of human serum proteins by liquid phase isoelectric focusing and matrix-assisted laser desorption/ionization-mass spectrometry". Proteomics (2003), 3:1661-1666.	
RA		WU, Baolin, et al., "Comparison of statistical methods for classification of ovarian cancer using mass spectrometry data". Bioinformatics (2003) 19(13):1636-1643.	
CO-PENDING/PUBLISHED/ISSUED PATENT MATTERS			
RA		ANDEL, Frank III, et al., U.S. Patent Application No. 10/845,773 entitled "Prostate Diagnostic Patterns," filed 05-14-2004 (WSGR Reference No. 29191-719.201)	
RA		US-2004/0236603 published on 11-25-2004, first named inventor: Heller (WSGR Reference No. 29191-707.201)	

Examiner signature	/Ritesh Agrawal/	Date Considered	01/23/2007

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known	
Application Number	10/760,100
Filing Date	01/16/2004
First Named Inventor	Jonathan C. Heller
Art Unit	1641
Examiner Name	Not yet assigned
Attorney Docket Number	29191-707.501

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
RA		US-5,652,427	07-29-1997	Whitehouse, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] – Number[4] – Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]
RA		WO 2004/068130 A2	08-12-2004	Mosaiques Diagnostics and Therapeutics AG (DE), et al.		√
RA		WO 2004/102190	11-25-2004	Europroteome AG (DE), et al.		
RA		WO 2005/011474	02-10-2005	Correologic Systems Inc (US), et al.		
RA		WO 2005/020125	03-03-2005	Beyond Genomics Inc (US), et al.		
		WO 2005/024409	03-17-2005	Mosaiques Diagnostics and Therapeutics AG (DE), et al.		√

Examiner Signature	/Ritesh Agrawal/	Date Considered	01/23/2007

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Substitute for form 1449/PTO				*Complete if Known*	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*				Application Number	10/760,100
				Filing Date	01/16/2004
				First Named Inventor	Jonathan C. Heller
				Art Unit	1641
				Examiner Name	Not yet assigned
Sheet	2	of	3	Attorney Docket Number	29191-707.501

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
RA		FUNG, Eric T., et al., "Classification of cancer types by measuring variants of host response proteins using SELDI serum assays," *Int. J. Cancer* (2005) 115:783-789	
		KAJITA, Yoshihiro, et al., "Clinical Study on Increased Serum Thyroxine-Binding Globulin in Cancerous State," *Endocrinol. Japon* (1981) 28 (6): 785-791	
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↓		ROSTENBERG, Israel, et al., "Gc Globulin and Prealbumin Serum Levels in Patients With Cancer and Benign Inflammatory Diseases and in Asymptomatic Smokers," *Journal of the National Cancer Institute* (February 1997) Vol. 62 No. 2:299-300	

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				Filing Date	01/16/2004
				First Named Inventor	Jonathan C. Heller
				Art Unit	1641
				Examiner Name	Not yet assigned
Sheet	3	of	3	Attorney Docket Number	29191-707.501

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RA		SASSI, Alexander P., et al., "An automated, sheathless capillary electrophoresis-mass spectrometry platform for discovery of biomarkers in human serum". *Electrophoresis* (2005),26:pages unknown.	
		SCHWEIGERT, Florian J., et al., "Transthyretin, a Biomarker for Nutritional Status and Ovarian Cancer," *Cancer Research* (February 1, 2005) 65 (3):1114	
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		CO-PENDING/PUBLISHED/ISSUED PATENT MATTERS	
		HELLER, et al., U.S. Patent Application No. 11/178,245, entitled "Biological Patterns For Diagnosis And Treatment Of Cancer," filed 07-08-2005 (WSGR Reference No. 29191-729.201)	
		STULTS, et al., U.S. Patent Application No. 11/178,262, entitled "Systems and Methods for Discovery and Analysis of Markers," filed 07-08-2005 (WSGR Reference No. 29191-707.502)	

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Sheet 1 of 1

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RA		US-2001/0041357	11/15/2001	Fouillet et al.	
RA		US-2002/0137086	09/26/2002	Olek et al.	
RA		US-2003/0224531	12/04/2003	Brennen et al.	
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